

Refine Search

Search Results -

Terms	Documents
L10 not L16	67

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L17

Search History

 DATE: Thursday, February 05, 2004 [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L17</u>	l10 not l16	67	<u>L17</u>
<u>L16</u>	l10 and L15	12	<u>L16</u>
<u>L15</u>	707/\$.ccls.	18821	<u>L15</u>
<u>L14</u>	L13 and (categor\$ or class\$)	33	<u>L14</u>
<u>L13</u>	l11 and L12	48	<u>L13</u>
<u>L12</u>	visual near3 vector\$	409	<u>L12</u>
<u>L11</u>	(audio or speech or text\$) near3 vector\$	3596	<u>L11</u>
<u>L10</u>	l6 and (audio or speech or text\$)	79	<u>L10</u>
<i>DB=PGPB; PLUR=YES; OP=ADJ</i>			
<u>L9</u>	L8 and modalities	2	<u>L9</u>
<u>L8</u>	(multimedia and classifiers and modalities).ti.	2	<u>L8</u>
<u>L7</u>	09883415	0	<u>L7</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			

<u>L6</u>	l4 or L5	79	<u>L6</u>
<u>L5</u>	L3 and database	72	<u>L5</u>
<u>L4</u>	L3 and profile	16	<u>L4</u>
<u>L3</u>	l1 or L2	559	<u>L3</u>
<u>L2</u>	(text\$ and (visual or video or image) and (multimedia or media) and (categor\$ or class\$)).ab.	363	<u>L2</u>
<u>L1</u>	(text\$ and (visual or video or image) and (multimedia or media) and vector\$).ab.	209	<u>L1</u>

END OF SEARCH HISTORY

Hit List

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 20 of 33 returned.

☐ 1. Document ID: US 20030212557 A1

Using default format because multiple data bases are involved.

L14: Entry 1 of 33

File: PGPB

Nov 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030212557

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030212557 A1

TITLE: Coupled hidden markov model for audiovisual speech recognition

PUBLICATION-DATE: November 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nefian, Ara V.	Santa Clara	CA	US	

US-CL-CURRENT: 704/256

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	--------

☐ 2. Document ID: US 20030212552 A1

L14: Entry 2 of 33

File: PGPB

Nov 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030212552

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030212552 A1

TITLE: Face recognition procedure useful for audiovisual speech recognition

PUBLICATION-DATE: November 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Liang, Lu Hong	Beijing	CA	CN	
Pi, Xiaobo	Beining	CA	CN	

Liu, Xiaoxing	Beijing	CN
Mao, Crusoe	Foster City	US
Nefian, Ara V.	Santa Clara	US

US-CL-CURRENT: 704/231

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

☐ 3. Document ID: US 20030085895 A1

L14: Entry 3 of 33

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030085895
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030085895 A1

TITLE: System for and method of implementing refraction mapping

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Oka, Masaaki	Kanagawa		JP	

US-CL-CURRENT: 345/426

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

☐ 4. Document ID: US 20030033347 A1

L14: Entry 4 of 33

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030033347
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030033347 A1

TITLE: Method and apparatus for inducing classifiers for multimedia based on unified representation of features reflecting disparate modalities

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bolle, Rudolf M.	Bedford Hills	NY	US	
Haas, Norman	Mount Kisco	NY	US	
Oles, Frank J.	Peekskill	NY	US	
Zhang, Tong	Tuckahoe	NY	US	

US-CL-CURRENT: 718/107; 709/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 5. Document ID: US 20030018475 A1

L14: Entry 5 of 33

File: PGPB

Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030018475

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030018475 A1

TITLE: Method and apparatus for audio-visual speech detection and recognition

PUBLICATION-DATE: January 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Basu, Sankar	Tenafly	NJ	US	
de Cuetos, Philippe Christian	Bedford Hills	NY	US	
Maes, Stephane Herman	Danbury	CT	US	
Neti, Chalapathy Venkata	Yorktown Heights	NY	US	
Senior, Andrew William	New York	NY	US	

US-CL-CURRENT: 704/270

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 6. Document ID: US 20030004966 A1

L14: Entry 6 of 33

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004966

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004966 A1

TITLE: Business method and apparatus for employing induced multimedia classifiers based on unified representation of features reflecting disparate modalities

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bolle, Rudolf M.	Bedford Hills	NY	US	
Haas, Norman	Mount Kisco	NY	US	
Oles, Frank J.	Peekskill	NY	US	
Zhang, Tong	Tuckahoe	NY	US	

US-CL-CURRENT: 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 7. Document ID: US 20020135618 A1

L14: Entry 7 of 33

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020135618

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020135618 A1

TITLE: System and method for multi-modal focus detection, referential ambiguity resolution and mood classification using multi-modal input

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Maes, Stephane Herman	Danbury	CT	US	
Neti, Chalapathy Venkata	Yorktown Heights	NY	US	

US-CL-CURRENT: 345/767

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

☐ 8. Document ID: US 20020069218 A1

L14: Entry 8 of 33

File: PGPB

Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020069218

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020069218 A1

TITLE: System and method for indexing, searching, identifying, and editing portions of electronic multimedia files

PUBLICATION-DATE: June 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sull, Sanghoon	Seoul		KR	
Kim, Hyeokman	Seoul		KR	
Choi, Hyungseok	Seoul		KR	
Chung, Min Gyo	Sungnam City		KR	
Yoon, Ja-Cheon	Seoul		KR	
Oh, Jeongtaek	Seoul		KR	
Lee, Sangwook	Seoul		KR	
Song, S. Moon-Ho	Seoul		KR	
Kim, Jung Rim	Seoul		KR	
Lee, Keansub	Suwon City		KR	
Chun, Seong Soo	Songnam City		KR	
Oh, Sangwook	Cheju City		KR	

Kim, Yunam

Cheju City

KR

US-CL-CURRENT: 715/501.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 9. Document ID: US 6633844 B1

L14: Entry 9 of 33

File: USPT

Oct 14, 2003

US-PAT-NO: 6633844

DOCUMENT-IDENTIFIER: US 6633844 B1

TITLE: Late integration in audio-visual continuous speech recognition

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Verma; Ashish	New Delhi			IN
Basu; Sankar	Tenafly	NJ		
Neti; Chalapathy	Yorktown Heights	NY		

US-CL-CURRENT: 704/251, 345/441, 345/442, 382/115, 382/118, 382/170, 382/209,
434/167, 434/169, 434/185, 434/310, 704/244, 704/249, 704/266, 704/275

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 10. Document ID: US 6631198 B1

L14: Entry 10 of 33

File: USPT

Oct 7, 2003

US-PAT-NO: 6631198

DOCUMENT-IDENTIFIER: US 6631198 B1

TITLE: Perceptual modeling of media signals based on local contrast and directional edges

DATE-ISSUED: October 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hannigan; Brett T.	Portland	OR		
Bradley; Brett A.	Portland	OR		
Reed; Alastair M.	Delta			CA

US-CL-CURRENT: 382/100, 713/176, 713/179

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 11. Document ID: US 6594629 B1

L14: Entry 11 of 33

File: USPT

Jul 15, 2003

US-PAT-NO: 6594629

DOCUMENT-IDENTIFIER: US 6594629 B1

TITLE: Methods and apparatus for audio-visual speech detection and recognition

DATE-ISSUED: July 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Basu; Sankar	Tenafly	NJ		
de Cuetos; Philippe Christian	Bedford Hills	NY		
Maes; Stephane Herman	Danbury	CT		
Neti; Chalapathy Venkata	Yorktown Heights	NY		
Senior; Andrew William	New York	NY		

US-CL-CURRENT: 704/251; 704/233, 704/270

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	-----	--------

☐ 12. Document ID: US 6563508 B1

L14: Entry 12 of 33

File: USPT

May 13, 2003

US-PAT-NO: 6563508

DOCUMENT-IDENTIFIER: US 6563508 B1

**** See image for Certificate of Correction ****

TITLE: System for and method of implementing refraction mapping

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oka; Masaaki,	Kanagawa			JP

US-CL-CURRENT: 345/586; 345/582, 345/647

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	-----	--------

☐ 13. Document ID: US 6446060 B1

L14: Entry 13 of 33

File: USPT

Sep 3, 2002

US-PAT-NO: 6446060

DOCUMENT-IDENTIFIER: US 6446060 B1

TITLE: System and method for sequential processing for content-based retrieval of composite objects

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bergman; Lawrence D.	Mount Kisco	NY		
Castelli; Vittorio	White Plains	NY		
Li; Chung-Sheng	Ossining	NY		
Smith; John R.	New Hyde Park	NY		

US-CL-CURRENT: 707/3; 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	---------

☐ 14. Document ID: US 6366885 B1

L14: Entry 14 of 33

File: USPT

Apr 2, 2002

US-PAT-NO: 6366885

DOCUMENT-IDENTIFIER: US 6366885 B1

TITLE: Speech driven lip synthesis using viseme based hidden markov models

DATE-ISSUED: April 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Basu; Sankar	Tenafly	NJ		
Faruque; Tanveer Atzal	Munirka			IN
Neti; Chalapathy V.	Yorktown Heights	NY		
Rajput; Nitendra	New Delhi			IN
Senior; Andrew William	New York	NY		
Subramaniam; L. Venkata	New Delhi			IN
Verma; Ashish	New Delhi			IN

US-CL-CURRENT: 704/270; 704/235, 704/258

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	---------

☐ 15. Document ID: US 6219640 B1

L14: Entry 15 of 33

File: USPT

Apr 17, 2001

US-PAT-NO: 6219640

DOCUMENT-IDENTIFIER: US 6219640 B1

TITLE: Methods and apparatus for audio-visual speaker recognition and utterance verification

DATE-ISSUED: April 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Basu; Sankar	Tenafly	NJ		
Beigi; Homayoon S. M.	Yorktown Heights	NY		
Maes; Stephane Herman	Danbury	CT		
Ghislain Maison; Benoit Emmanuel	White Plains	NY		
Neti; Chalapathy Venkata	Yorktown Heights	NY		
Senior; Andrew William	New York	NY		

US-CL-CURRENT: 704/246; 704/231, 704/273

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. D.
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	----------

☐ 16. Document ID: US 6173275 B1

L14: Entry 16 of 33

File: USPT

Jan 9, 2001

US-PAT-NO: 6173275

DOCUMENT-IDENTIFIER: US 6173275 B1

**** See image for Certificate of Correction ****

TITLE: Representation and retrieval of images using context vectors derived from image information elements

DATE-ISSUED: January 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Caid; William R.	San Diego	CA		
Hecht-Neilsen; Robert	Del Mar	CA		

US-CL-CURRENT: 706/14; 382/190, 382/195, 382/224, 382/225, 706/12, 706/934

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. D.
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	----------

☐ 17. Document ID: US 6125201 A

L14: Entry 17 of 33

File: USPT

Sep 26, 2000

US-PAT-NO: 6125201

DOCUMENT-IDENTIFIER: US 6125201 A

TITLE: Method, apparatus and system for compressing data

DATE-ISSUED: September 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Zador; Andrew Michael Kitchener, Ontario

CA

US-CL-CURRENT: 382/166; 382/248

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 18. Document ID: US 5983237 A

L14: Entry 18 of 33

File: USPT

Nov 9, 1999

US-PAT-NO: 5983237

DOCUMENT-IDENTIFIER: US 5983237 A

**** See image for Certificate of Correction ****

TITLE: Visual dictionary

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jain; Ramesh	San Diego	CA		
Gupta; Amarnath	Redwood City	CA		
Hampapur; Arun	White Plains	NY		
Horowitz; Bradley	San Mateo	CA		

US-CL-CURRENT: 707/104.1; 345/866, 707/3, 707/7, 715/527

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 19. Document ID: US 5822465 A

L14: Entry 19 of 33

File: USPT

Oct 13, 1998

US-PAT-NO: 5822465

DOCUMENT-IDENTIFIER: US 5822465 A

TITLE: Image encoding by vector quantization of regions of an image and codebook updates

DATE-ISSUED: October 13, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Normile; James Oliver	Sunnyvale	CA		
Wang; Katherine Shu-Wei	San Jose	CA		

US-CL-CURRENT: 382/253; 382/239

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 20. Document ID: US 5794178 A

L14: Entry 20 of 33

File: USPT

Aug 11, 1998

US-PAT-NO: 5794178

DOCUMENT-IDENTIFIER: US 5794178 A

TITLE: Visualization of information using graphical representations of context
vector based relationships and attributes

DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Caid; William Robert	San Diego	CA		
Carleton; Joel Lawrence	San Diego	CA		

US-CL-CURRENT: 704/9; 345/440, 345/839, 345/866, 707/5, 715/531, 715/532

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Claims	KMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	----------	---------	--------	-----	--------

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L13 and (categor\$ or class\$)

33

Display Format: -

Change Format

[Previous Page](#)[Next Page](#)[Go to Doc#](#)

Hit List

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 21 through 33 of 33 returned.

☐ 21. Document ID: US 5771306 A

Using default format because multiple data bases are involved.

L14: Entry 21 of 33

File: USPT

Jun 23, 1998

US-PAT-NO: 5771306

DOCUMENT-IDENTIFIER: US 5771306 A

TITLE: Method and apparatus for extracting speech related facial features for use in speech recognition systems

DATE-ISSUED: June 23, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stork; David G.	Stanford	CA		
Wolff; Gregory Joseph	Mountain View	CA		
Levine; Earl Isaac	Dallas	TX		

US-CL-CURRENT: 382/100; 382/288, 382/291, 382/296

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	----------	--------	----------	----------

☐ 22. Document ID: US 5682503 A

L14: Entry 22 of 33

File: USPT

Oct 28, 1997

US-PAT-NO: 5682503

DOCUMENT-IDENTIFIER: US 5682503 A

**** See image for Certificate of Correction ****

TITLE: Self-organizing neural network for pattern classification

DATE-ISSUED: October 28, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Yoda; Fumio Hillsboro OR

US-CL-CURRENT: 706/20; 706/25, 706/31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 23. Document ID: US 5680481 A

L14: Entry 23 of 33

File: USPT

Oct 21, 1997

US-PAT-NO: 5680481

DOCUMENT-IDENTIFIER: US 5680481 A

TITLE: Facial feature extraction method and apparatus for a neural network acoustic and visual speech recognition system

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Prasad; K. Venkatesh	Cupertino	CA		
Stork; David G.	Stanford	CA		

US-CL-CURRENT: 382/190; 382/118, 382/159, 382/193, 382/202

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 24. Document ID: US 5621858 A

L14: Entry 24 of 33

File: USPT

Apr 15, 1997

US-PAT-NO: 5621858

DOCUMENT-IDENTIFIER: US 5621858 A

TITLE: Neural network acoustic and visual speech recognition system training method and apparatus

DATE-ISSUED: April 15, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stork; David G.	Stanford	CA		
Wolff; Gregory J.	Mountain View	CA		

US-CL-CURRENT: 704/232; 382/156, 704/230

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 25. Document ID: US 5619709 A

L14: Entry 25 of 33

File: USPT

Apr 8, 1997

US-PAT-NO: 5619709

DOCUMENT-IDENTIFIER: US 5619709 A

**** See image for Certificate of Correction ****

TITLE: System and method of context vector generation and retrieval

DATE-ISSUED: April 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Caid; William R.	San Diego	CA		
Oing; Pu	La Costa	CA		

US-CL-CURRENT: 715/532; 704/9, 707/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

☐ 26. Document ID: US 5586215 A

L14: Entry 26 of 33

File: USPT

Dec 17, 1996

US-PAT-NO: 5586215

DOCUMENT-IDENTIFIER: US 5586215 A

TITLE: Neural network acoustic and visual speech recognition system

DATE-ISSUED: December 17, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stork; David G.	Stanford	CA		
Wolff; Gregory J.	Mountain View	CA		
Levine; Earl I.	Dallas	TX		

US-CL-CURRENT: 704/232; 704/243

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

☐ 27. Document ID: US 5412738 A

L14: Entry 27 of 33

File: USPT

May 2, 1995

US-PAT-NO: 5412738

DOCUMENT-IDENTIFIER: US 5412738 A

TITLE: Recognition system, particularly for recognising people

DATE-ISSUED: May 2, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brunelli; Roberto	Trento			IT
Falavigna; Daniele	Buttapietra			IT
Poggio; Tomaso	Wellesley	MA		
Stringa; Luigi	Villazzano			IT

US-CL-CURRENT: 382/115; 382/209, 704/231, 704/235, 704/246

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	----------	----------	--------	------	--------

☐ 28. Document ID: US 5243643 A

L14: Entry 28 of 33

File: USPT

Sep 7, 1993

US-PAT-NO: 5243643

DOCUMENT-IDENTIFIER: US 5243643 A

**** See image for Certificate of Correction ****

TITLE: Voice processing system with configurable caller interfaces

DATE-ISSUED: September 7, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sattar; Sohail	Irving	TX		
Polsky; Steven E.	Irving	TX		

US-CL-CURRENT: 379/88.23; 379/245, 379/88.18, 379/88.22, 379/93.26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	----------	----------	--------	------	--------

☐ 29. Document ID: US 4559602 A

L14: Entry 29 of 33

File: USPT

Dec 17, 1985

US-PAT-NO: 4559602

DOCUMENT-IDENTIFIER: US 4559602 A

TITLE: Signal processing and synthesizing method and apparatus

DATE-ISSUED: December 17, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bates, Jr.; John K.	Endicott	NY	13760	

US-CL-CURRENT: 702/71

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 30. Document ID: WO 101705 A1

L14: Entry 30 of 33

File: EPAB

Jan 4, 2001

PUB-NO: WO000101705A1

DOCUMENT-IDENTIFIER: WO 101705 A1

TITLE: METHOD FOR EVALUATING THE QUALITY OF AUDIO-VISUAL SEQUENCES

PUBN-DATE: January 4, 2001

INVENTOR-INFORMATION:

NAME

COUNTRY

BAINA, JAMAL

FR

BRETILLON, PIERRE

FR

INT-CL (IPC): H04 N 17/00

EUR-CL (EPC): H04L001/20; H04L001/24, H04N017/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 31. Document ID: DE 4436692 A1

L14: Entry 31 of 33

File: EPAB

Apr 20, 1995

PUB-NO: DE004436692A1

DOCUMENT-IDENTIFIER: DE 4436692 A1

TITLE: Training system for a speech (voice) recognition system

PUBN-DATE: April 20, 1995

INVENTOR-INFORMATION:

NAME

COUNTRY

STORK, DAVID G

US

WOLFF, GREGORY JOSEPH

US

INT-CL (IPC): G10 L 5/06; G06 K 9/66; G06 F 15/18

EUR-CL (EPC): G10L015/24; G06K009/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 32. Document ID: US 20030004966 A1

L14: Entry 32 of 33

File: DWPI

Jan 2, 2003

DERWENT-ACC-NO: 2003-380014

DERWENT-WEEK: 200336

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Multimedia information handling method for providing legal services, involves concatenating and categorizing visual and textual feature vectors of respective modalities, based on which user profile is assembled

INVENTOR: BOLLE, R M; HAAS, N ; OLES, F J ; ZHANG, T

PRIORITY-DATA: 2001US-0883415 (June 18, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030004966 A1	January 2, 2003		056	G06F007/00

INT-CL (IPC): G06 F 7/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	--------

☐ 33. Document ID: DE 4317372 A1, US 5771306 A, US 5586215 A, DE 4317372 C2

L14: Entry 33 of 33

File: DWPI

Dec 2, 1993

DERWENT-ACC-NO: 1993-387816

DERWENT-WEEK: 199832

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Acoustic and visual input speech recognition system - monitors lip and mouth movements by video camera to provide motion vector input to neural network based speech identification unit.

INVENTOR: LEVINE, E I; STORK, D G ; WOLFF, G J

PRIORITY-DATA: 1992US-0889619 (May 26, 1992), 1993US-0142168 (October 22, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4317372 A1	December 2, 1993		028	G10L005/00
US 5771306 A	June 23, 1998		000	G06T007/60
US 5586215 A	December 17, 1996		024	G10L005/06
DE 4317372 C2	March 20, 1997		028	G10L005/00

INT-CL (IPC): G06F 15/18; G06T 7/60; G10L 5/00; G10L 5/06

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	--------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
-------	---------------------	-------	----------	-----------	---------------

Terms	Documents
L13 and (categor\$ or class\$)	33

Display Format:

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

Your search matched **39** of **1002028** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:

You may refine your search by editing the current search expression or enter a new one in the text box.

(visual or image) and (audio or speech or text*) and ved

☐ Check to search within this result set

Results Key:

JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 Image clustering using content-based techniques

Bird, C.L.; Chapman, S.G.;

Image Processing and Its Applications, 1997., Sixth International Conference on , Volume: 1 , 14-17 July 1997

Pages:385 - 389 vol.1

[\[Abstract\]](#)

[\[PDF Full-Text \(364 KB\)\]](#)

IEE CNF

2 Image classification and retrieval based on wavelet-SOM

Oh, K.-S.; Kaneko, K.; Makinouchi, A.;

Database Applications in Non-Traditional Environments, 1999. (DANTE '99) Proceedings. 1999 International Symposium on , 1999

Pages:164 - 167

[\[Abstract\]](#)

[\[PDF Full-Text \(180 KB\)\]](#)

IEEE CNF

3 Flexible color texture retrieval method using multi-resolution m sa image classification

Guan, H.; Wada, S.;

Signal Processing, 2002 6th International Conference on , Volume: 1 , 26-30 2002

Pages:612 - 615 vol.1

[\[Abstract\]](#)

[\[PDF Full-Text \(327 KB\)\]](#)

IEEE CNF

4 Similarity measures for hist I gical image retrieval

Lam, R.W.K.; Ip, H.H.S.; Cheung, K.K.T.; Tang, L.H.Y.; Hanka, R.;

Pattern Recognition, 2000. Proceedings. 15th International Conference on , Volume: 2 , 3-7 Sept 2000

Pages:295 - 298 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(380 KB\)\]](#) IEEE CNF

5 CONTEXT: a technique for image retrieval integrating Content and Texture information

Distasi, R.; Nappi, M.; Tucci, M.; Vitulano, S.;

Image Analysis and Processing, 2001. Proceedings. 11th International Conference on , 26-28 Sept. 2001

Pages:224 - 229

[\[Abstract\]](#) [\[PDF Full-Text \(728 KB\)\]](#) IEEE CNF

6 Texture feature neural classifier for remote sensing image retrieval systems

Martins, M.P.; Frutuoso Guimaraes, L.N.; Maria Garcia Fonseca, L.;

Computer Graphics and Image Processing, 2002. Proceedings. XV Brazilian Symposium on , 7-10 Oct. 2002

Pages:90 - 96

[\[Abstract\]](#) [\[PDF Full-Text \(862 KB\)\]](#) IEEE CNF

7 Texture classification for content-based image retrieval

Pirrone, R.; La Cascia, M.;

Image Analysis and Processing, 2001. Proceedings. 11th International Conference on , 26-28 Sept. 2001

Pages:398 - 403

[\[Abstract\]](#) [\[PDF Full-Text \(648 KB\)\]](#) IEEE CNF

8 Segmentation of natural images for CBIR

Williams, P.S.; Alder, M.D.;

Pattern Recognition, 1998. Proceedings. Fourteenth International Conference on , Volume: 1 , 16-20 Aug. 1998

Pages:468 - 470 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(140 KB\)\]](#) IEEE CNF

9 A new texture analysis method for classification of interstitial lung abnormalities in chest radiography

Park, M.; Jin, J.S.; Wilson, L.S.;

Control, Automation, Robotics and Vision, 2002. ICARCV 2002. 7th International Conference on , Volume: 3 , 2-5 Dec. 2002

Pages:1636 - 1640 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(390 KB\)\]](#) IEEE CNF

10 A novel image retrieval model

JunWei Han; Lei Guo; YongSheng Bao;

Signal Processing, 2002 6th International Conference on , Volume: 2 , 26-30 2002

Pages:953 - 956 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(314 KB\)\]](#) IEEE CNF

11 Face detection in color images using wavelet packet analysis*Garcia, C.; Zikos, G.; Tziritas, G.;*

Multimedia Computing and Systems, 1999. IEEE International Conference on , Volume: 1 , 7-11 June 1999

Pages:703 - 708 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(660 KB\)\]](#) IEEE CNF**12 Automatic detection of abnormalities in chest radiographs using texture analysis***van Ginneken, B.; Katsuragawa, S.; ter Haar Romeny, B.M.; Kunio Doi; Vierg M.A.;*

Medical Imaging, IEEE Transactions on , Volume: 21 , Issue: 2 , Feb. 2002

Pages:139 - 149

[\[Abstract\]](#) [\[PDF Full-Text \(349 KB\)\]](#) IEEE JNL**13 Lexicodes in the space of foot patterns for image classification***Ashlock, D.; Davidson, J.;*

Image Analysis and Interpretation, 1998 IEEE Southwest Symposium on , 5-7 1998

Pages:97 - 102

[\[Abstract\]](#) [\[PDF Full-Text \(532 KB\)\]](#) IEEE CNF**14 Distance-from-boundary as a metric for texture image retrieval***Guodong Guo; Hong-Jiang Zhang; Li, S.Z.;*

Acoustics, Speech, and Signal Processing, 2001. Proceedings. (ICASSP '01). ; IEEE International Conference on , Volume: 3 , 7-11 May 2001

Pages:1629 - 1632 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(300 KB\)\]](#) IEEE CNF**15 Fusing cortex transform and intensity based features for image texture classification***Khayrul Bashar, Md.; Ohnishi, N.;*

Information Fusion, 2002. Proceedings of the Fifth International Conference on , Volume: 2 , 8-11 July 2002

Pages:1463 - 1469 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(769 KB\)\]](#) IEEE CNF[1](#) [2](#) [3](#) [Next](#)

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved